

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 August 2005 (04.08.2005)

PCT

(10) International Publication Number
WO 2005/071261 A1

(51) International Patent Classification⁷: **F03D 11/00**

(74) Agent: **PATENTGRUPPEN ApS**; Arosgaarden,
Aaboulewarden 31, DK-8000 Aarhus C (DK).

(21) International Application Number:
PCT/DK2004/000055

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 26 January 2004 (26.01.2004)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **VESTAS WIND SYSTEMS A/S** [DK/DK]; Smed Sørensens Vej 5, DK-6950 Ringkøbing (DK).

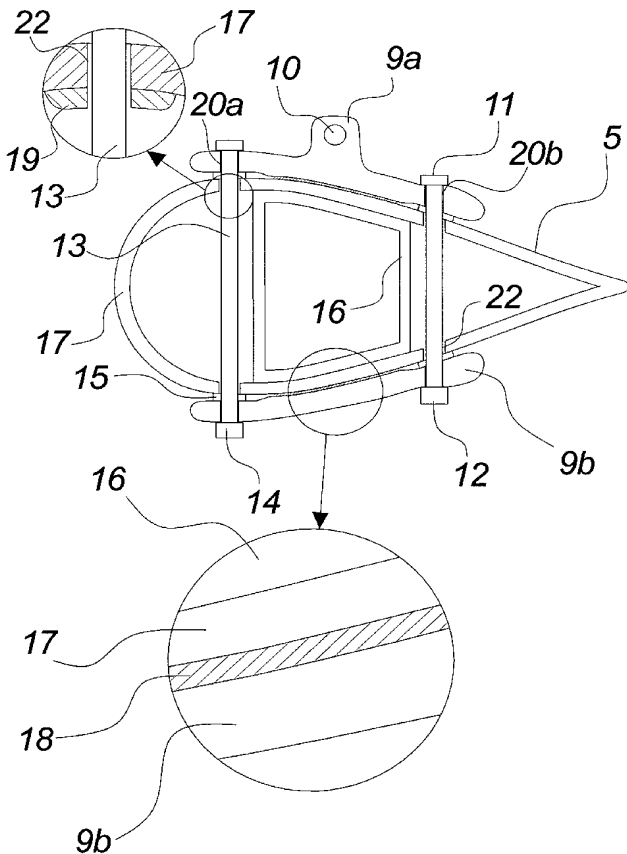
(72) Inventors; and

(75) Inventors/Applicants (for US only): **HAARH, Arne** [DK/DK]; Fjordvang 16, DK-6950 Ringkøbing (DK). **PEDERSEN, Gunnar, Storgaard** [DK/DK]; Letagervej 8, DK-6900 Skjern (DK). **ANDERSEN, Flemming** [US/US]; Vestergade 11 st.tv., DK-7840 Vildbjerg (US).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,

[Continued on next page]

(54) Title: METHODS OF HANDLING A WIND TURBINE BLADE AND SYSTEM THEREFOR



(57) Abstract: A method of handling a wind turbine blade during storage, transport or mounting of the blade is presented. The method comprises the steps of: establishing at least one mounting hole penetrating the surface of the blade, mounting one or more handling means including mounting means in said at least one hole, and handling the wind turbine by at least said handling means on the wind turbine blade. A handling system and handling means for handling a wind turbine blade as well as a wind turbine blade and use hereof are also disclosed.

WO 2005/071261 A1



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*